SONY

3-757-299-25 (1)

Compact Disc Player

Operating Instructions

COMPACT disc DIGITAL AUDIO

CDP-CX100
CDP-CX100S

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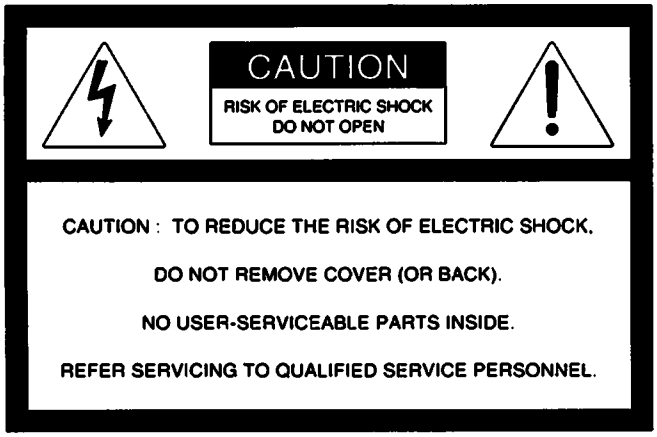
Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Owner's Record

The model and serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

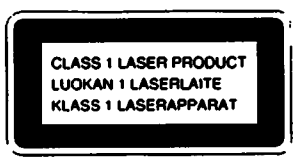
Model No. _ _ Serial No.

This equipment is intended for home entertainment purposes only. The warranty shall be invalidated if used in commercial environments, such as by disc jockeys, etc., even within the Warranty Period.

For the Customers in Australia

The following caution label is located inside of the unit.

CAUTION	:	INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
ADVARSEL:		USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDS ÆTTELSE FOR STRÅLING.
VARO!	:	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA LASERSÄTEILYLLE
VARNING	:	LASERSTRÅLING NÄR DENNA DEL ÄR OPPNÅD OCH SPÄRREN ÄR URXOPPLAD.
ADVERSEL:		USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN.



This appliance is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

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Differences between models

This instruction manual covers the CDP-CX100 and CDP-CX100S. Their performance is identical except for the following:
The CDP-CX100, comes with the remote commander RM-DX100.
The CDP-CX100S does not come with a remote commander. It is operable by the remote commander RM-P332.

Convention

This indicates a function operated only from the remote commander.

This indicates a function operated only from the main unit.

Precautions

On safety

- Should any solid or liquid object enter the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by the plug. Never pull the cord itself. The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- The AC power cord must be changed only at the qualified service shop.
- As the laser beam used in this unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

On operation

Do not turn up the volume while listening to a portion with no audio signals or very low level inputs. If you do, the speakers may be damaged when a peak level portion is played.

On the front cover

Always close the front cover, except when you replace discs, to prevent dust etc. from entering.

On moisture condensation

If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the unit will not operate. In this case, press UNLOAD to turn on the UNLOAD button indicator, and leave the unit turned on for about an hour until the moisture evaporates.

Maintenance

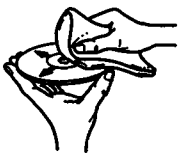
On cleaning your player

Clean the cabinet, panel and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Notes on handling discs

- To keep a disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the heat may cause the disc to warp.
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.



If you have any questions or problems concerning your player, please contact your nearest Sony dealer.

Unpacking

Choosing a Good Location

- Place the player in a location with adequate air circulation to prevent internal heat built up in the player.
- Do not place the player on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Install the player horizontally.
- Do not install the player:
  - near heat sources such as radiators or air ducts.
  - in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

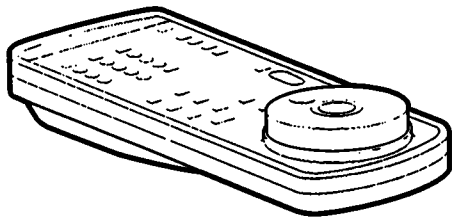
A

Checking the Supplied Accessories A

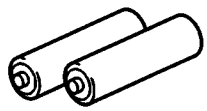
Make sure that all the supplied accessories are included with your player. This manual and the following items are included with your CDP-CX100/100S.

a) Remote commander RM-DX100 (CDP-CX100 only) (1)*
b) Sony batteries SUM-3(NS) (CDP-CX100 only) (2)
c) Audio connecting cord (1)
d) CD booklet holder (1) and labels (2)

a)

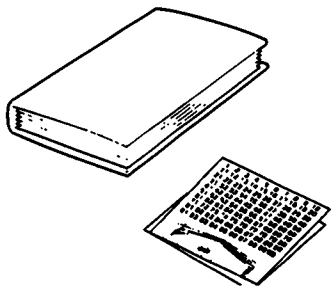


b)



c)

d)



* The CDP-CX100S can be controlled by the remote commander RM-P332 which is supplied with the AV Control Amplifier TA-E731X.

How to use the CD booklet holder

- You can use the CD booklet holder to store your CD booklets. Insert booklets into pockets on both the front and back of a sheet. You can store up to 100 booklets.
- Stick the number label, corresponding to the disc slit into which the disc is inserted, on the film of a pocket and the booklet so that you can locate the disc easily.

Unpacking

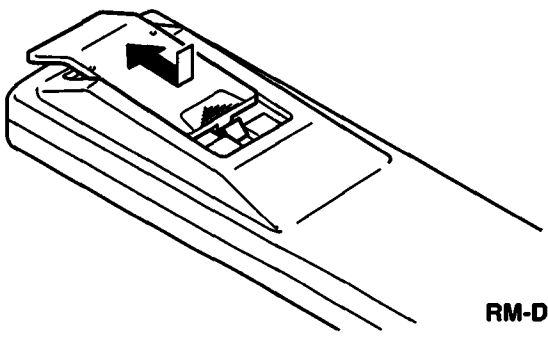
When Moving the Player

- **When moving the player**
  Press UNLOAD to turn on the UNLOAD button indicator, then turn the power off. Do not turn the unit up-side down while moving it with discs installed.
- **When transporting long-distance**
  Press UNLOAD to turn on the UNLOAD button indicator, then remove all the discs from the player and turn the power off. The information you have customized, such as Disc Memo, Delete Bank or Group File, is not erased if you unplug the player. However, as it is stored for each disc slit, not for each individual disc. Re-insert each disc into the original slit to use the information again. Otherwise reenter the information.

Inserting Batteries into the Remote Commander RM-DX100

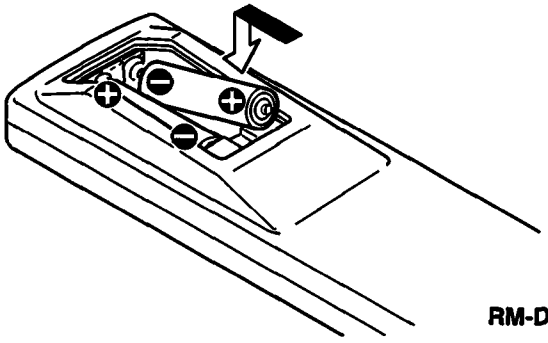
For the remote commander RM-P332, refer to the instruction manual of the amplifier TA-E731X.

1



RM-DX100

2



RM-DX100

1 Slide open the cover.

2 Insert two size AA (R6) batteries with correct polarity.

Battery life

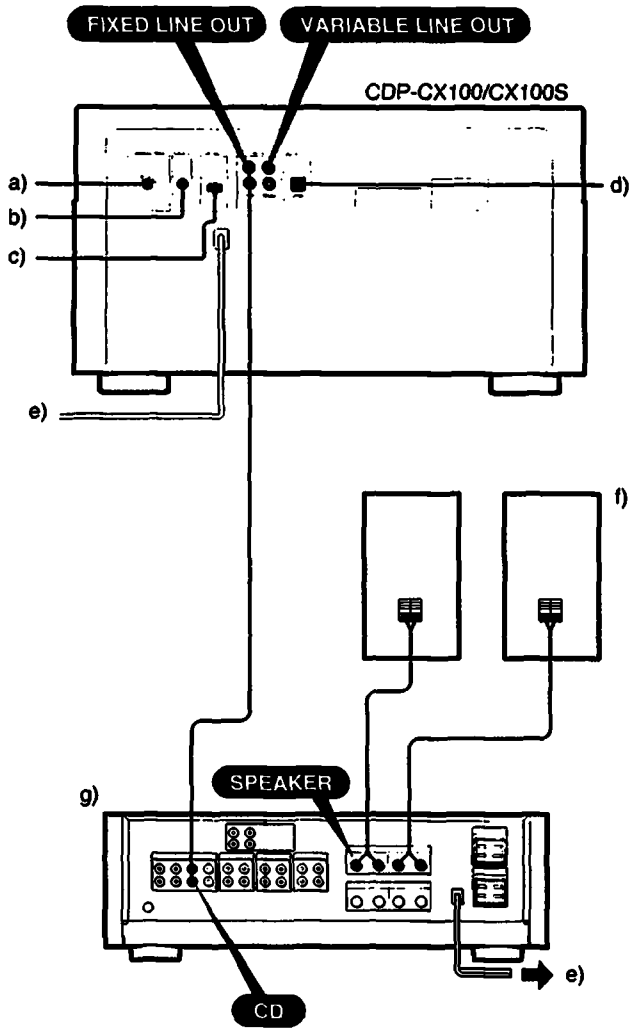
- About half a year of normal operation can be expected when using the Sony batteries SUM-3(NS).
- When the batteries are run down, the remote commander will not operate the player. In this case, replace both batteries with new ones.

Notes on remote commander operation

- Avoid exposing the remote sensor to direct sunlight or a lighting apparatus. Such exposure may cause a malfunction.
- To avoid damage caused by battery leakage and corrosion, remove the batteries if you do not use the commander for long time.

Hooking Up the System

A



Connect the unit to an amplifier as shown in fig. A.

a) COMMAND MODE (CD 1-2-3) selector (Set the selector of CDP-CX100S to CD 1 to be controlled by the remote commander RM-P332.)
b) SIRCS IN jack
c) CONTROL S (IN) connector
d) DIGITAL OUT (OPTICAL) connector
e) to an AC outlet
f) Speaker system
g) Amplifier

Notes on Connection

- Turn off the power to each unit before making connections. Connect the AC power cord last. For the model supplied with a plug adaptor, use it if the plug of the power cord does not match your AC outlet.
- Be sure to insert the plugs firmly into the jacks. Loose connections may cause hum or noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- Cord plugs and jacks are color coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).

When using the LINE OUT jacks

There are two ways of connecting the LINE OUT:
FIXED: *The output level is fixed.*
VARIABLE: The output level can be *adjusted with the* LINE OUT/PHONE LEVEL control (or with the LINE OUT LEVEL +/– button on the remote commander RM-DX100.)

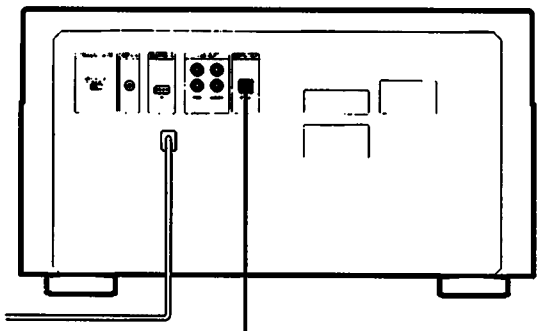
Notes on VARIABLE LINE OUT

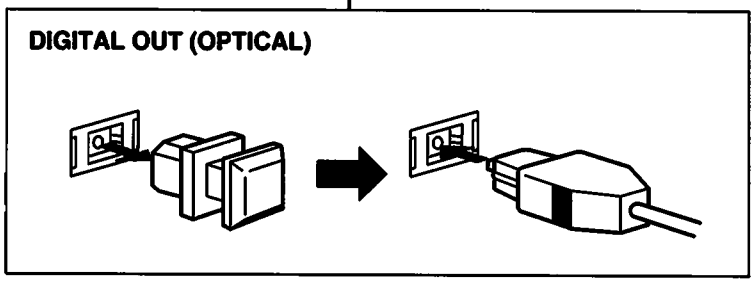
- Connect your system to the VARIABLE output when using the Level File function.
- If the LINE OUT/PHONE LEVEL control (or the LINE OUT LEVEL +/– button on the remote commander RM-DX100) is adjusted while recording, the recording level will change even when it is preset on the tape deck.

Hooking Up the System

B

CDP-CX100/CX100S





When using DIGITAL OUT (OPTICAL) B

When connecting to an amplifier or D/A converter with OPTICAL IN, connect the OPTICAL IN and the DIGITAL OUT (OPTICAL) on the player with the POC-15 Audio Fiber Optical Cable (not supplied). See the figures on the left.
Take off the cap and plug in the connector firmly.

Notes on DIGITAL OUT (OPTICAL)

- When using the DIGITAL OUT (OPTICAL), the Level File function does not work.
- Noise may occur when playing non-music discs.

Note on CONTROL S (IN)

The CONTROL S connections are the Sony's exclusive control system. With the CONTROL S connection, you can control one unit through another one. Connect the CONTROL S (IN) on this player to the CONTROL S (OUT) on another Sony CD player, receiver or amplifier, with a CONTROL S cable (not supplied).

Note on the SIRCS IN jack

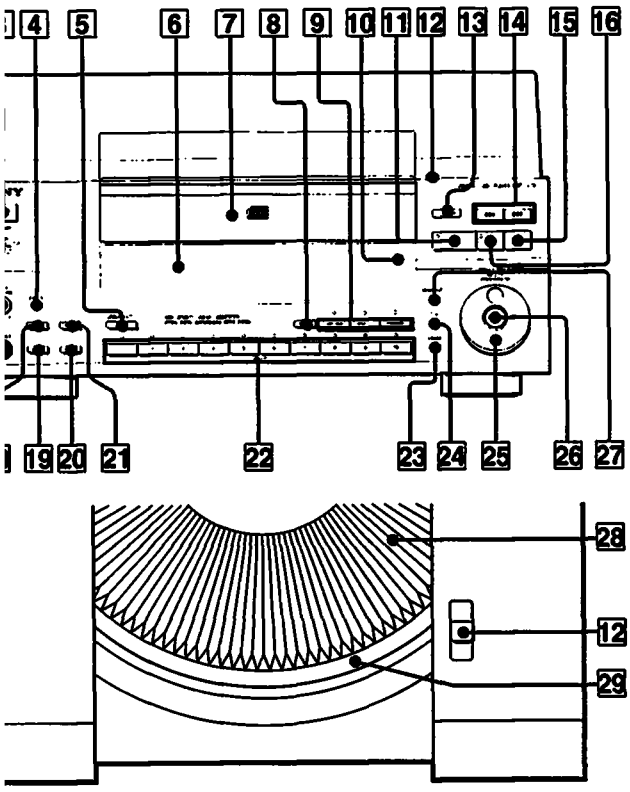
To control the player from a position where you cannot point the remote sensor to the front panel directly, connect the RME-20 Extension Remote Sensor (not supplied) to the SIRCS jack and set its sensor part to where you can point.

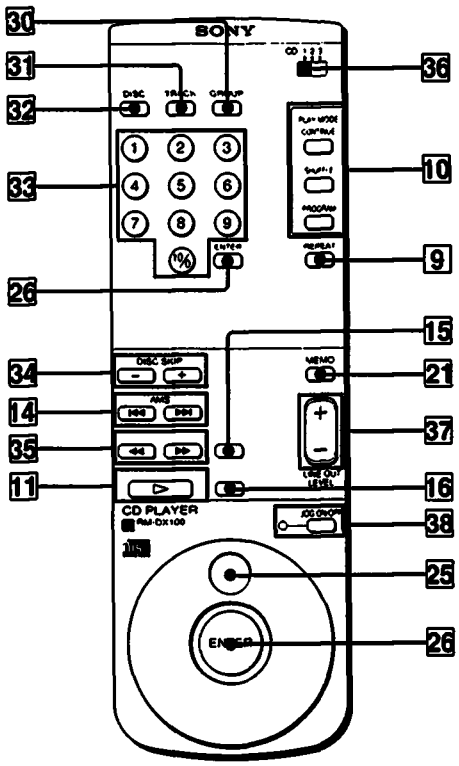
COMMAND MODE selector

By using the COMMAND MODE selector, you can remotely control more than one Sony CD player.

a) To control the CDP-CX100 independently from another Sony CD player, set the COMMAND MODE selector on the CDP-CX100 to CD 2 or 3 and synchronize the CD 1-2-3 selector on the remote commander RM-DX100.
b) To control two or three CDP-CX100s independently, set the COMMAND MODE selector on each CDP-CX100 to a different position from each other and switch the CD 1-2-3 selector on the remote commander RM-DX100 to CD 1, 2 or 3.
c) When using the remote commancer RM-P332 (CDP-CX100S only) Set the COMMAND MODE selector to CD 1.

Identifying the Parts





RM-DX100

Front Panel A
Remote Commander RM-DX100

See the pages indicated in ( ) for details. For the remote commander RM-P332, refer to the instruction manual of the amplifier TA-E731X.

1 LINE OUT/PHONE LEVEL control (6)
2 TIMER switch (34)
3 POWER switch (9)
4 LEVEL FILE button (29)
5 GROUP ENTRY button (31)
6 Display (9)
7 Front cover (9)
8 REPEAT button (23)
9 PLAY MODE buttons
  CONTINUE button (12)
  SHUFFLE button (17)
  PROGRAM button (19)
10 Remote sensor (5)
11 ▶ (play) button (13)
12 OPEN lever (9)
13 UNLOAD button (9)
14 ⏮/⏭ (AMS*) buttons (16)
15 ■ (stop) button (13)
16 ⏸ (pause) button (13)
17 PHONES jack (14)
18 TIME button (15)
19 CHECK button (22)
20 CLEAR button (21)
21 MEMO button (32)
22 GROUP 1-10 buttons (30)
23 ERASE button (26)
24 FILE button (26)
25 JOG dial (9)
26 ENTER button (12)
27 MEMO INPUT button (25)
28 Disc slit (9)
29 Rotary table (9)
30 GROUP button (32)
31 TRACK button (16)
32 DISC button (13)
33 Numeric buttons (13)
34 DISC SKIP –/+ buttons (14)
35 ◀◀/▶▶ (manual search) buttons (16)
36 CD 1-2-3 selector (7)
37 LINE OUT LEVEL +/– button (6)
38 JOG ON/OFF button and indicator (8)

Notes on the JOG dial and the JOG ON/OFF button on the remote commander

- Before using the JOG dial on the remote commander, press the JOG ON/OFF button on the remote commander to turn on the indicator beside the button.
- After using the JOG dial on the remote commander, press the JOG ON/OFF button again to turn off the indicator. The operation of the dial is canceled.

* AMS is the abbreviation for Automatic Music Sensor.

Installing Discs

The CDP-CX100/CX100S allows you to install up to 100 discs. You can assign a name to each disc so that you can locate the disc easily (see page 25).

Inserting Discs

1 Press POWER to turn on the player.
The display lights up.

2 Press UNLOAD.
The UNLOAD button indicator flashes. The rotary table turns and the disc slit at the playing position is released and comes to the loading position. The UNLOAD button indicator lights up.

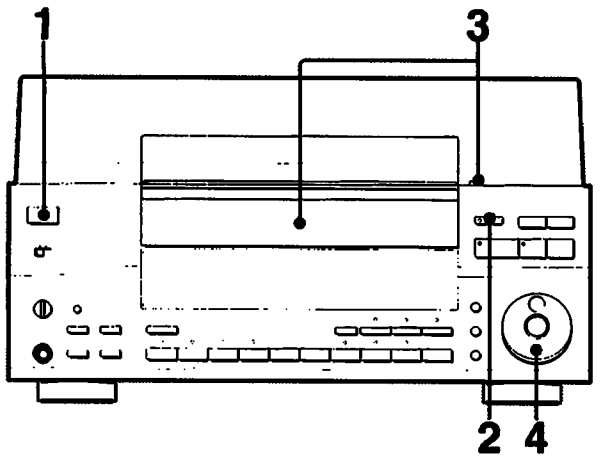
a) Playing position
The position of the current disc (disc playing or ready to be played)
When a disc is set to the playing position, "DISC HOLD" appears in the display.
The UNLOAD button indicator is unlit.
b) Loading position
The position if the current disc that can be taken out or replaced.
The UNLOAD button indicator is lit.
c) Rotary table

3 Slide the OPEN lever to the opening position, then manually open the front cover.

4 Rotate the JOG dial to turn the rotary table and move any disc slit to the loading position.

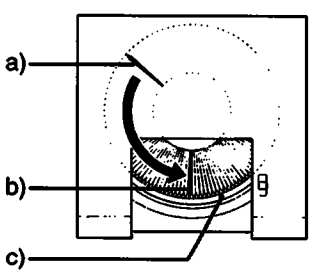
a) Disc slit at the loading position (Current disc slit)
The disc in this slit (current disc) is played first when you press ▶ or ENTER.
b) Disc number
c) Current disc number
d) Disc memo
You can input your original disc memo titles instead of the current disc numbers, "*DISC-1, 2 etc.*" (see page 25).

(Continued)



1

2



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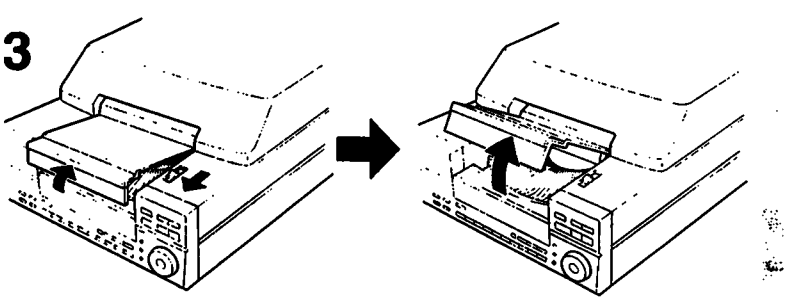

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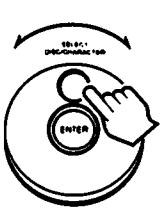
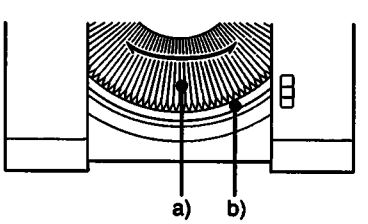
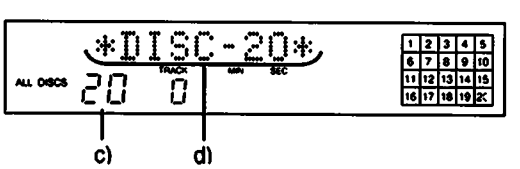
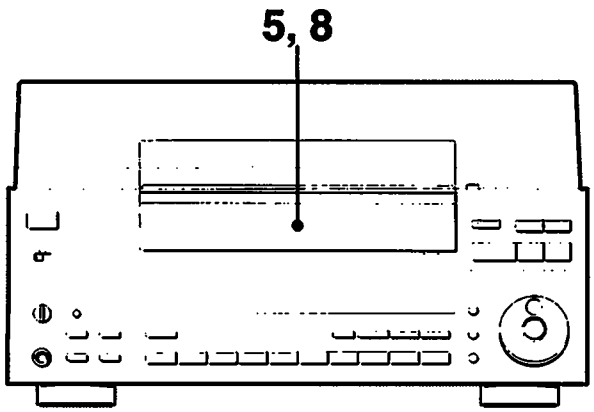






Installing Discs



5 Insert a disc vertically, with the label facing right.

6 You can input your original disc memo titles instead of the current disc numbers, "*DISC-1, 2 etc.*" (see page 25).
This is convenient when many discs are installed, you can easily find what disc is in the current disc slit.

7 Repeat step 4 to 6 to insert more discs.

8 Close the front cover.
Press the right edge of the cover until the OPEN lever clicks.

If you insert a disc with the label facing left

"–NO DISC–" appears when the disc is set to the playing position. Press UNLOAD and re-insert the disc with the label facing right.

Note on the rotary table

You cannot rotate the table when the UNLOAD button indicator is unlit (while a disc is set to the playing position or while "–NO DISC–" appears). Press UNLOAD to turn on the indicator. The current disc slit will come to the loading position, then you can rotate the rotary table using the JOG dial.

When inserting an 8 cm (3-inch) CD

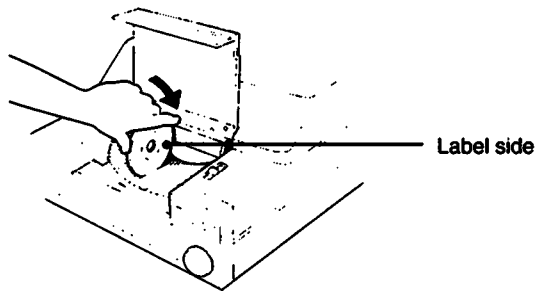
Be sure to attach the Sony CSA–8 adaptor to the disc. Do not insert an 8 cm (3-inch) CD without the adaptor.

Note on the front cover

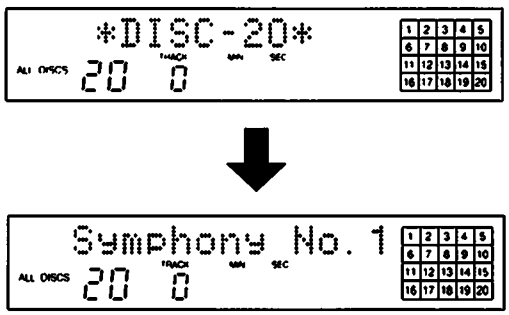
Always close the front cover except when you are inserting or replacing discs.

If you drop something under the disc slits. A
Slide the bottom cover to detach it. Remove the foreign object, then slide the cover in.

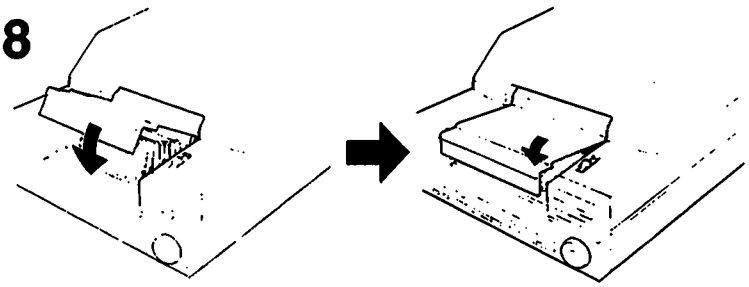
5



6



8



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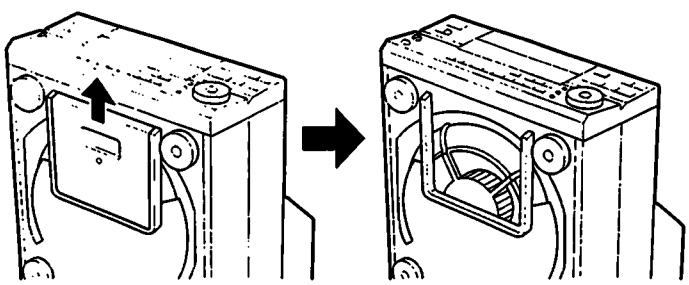
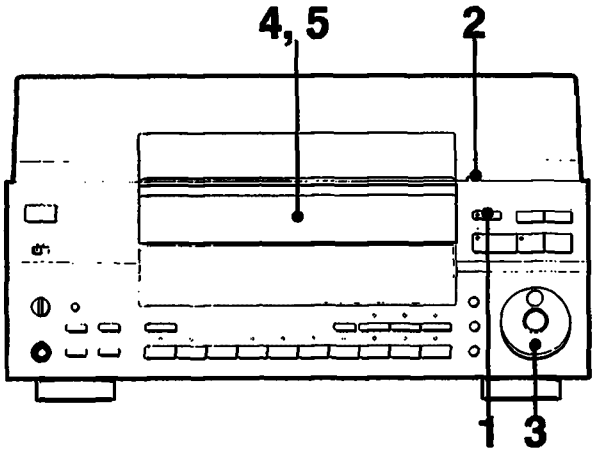


Installing Discs



Removing Discs

1 Press UNLOAD.
The UNLOAD button indicator flashes, then lights up.

2 Slide the OPEN lever to the opening position, then manually open the front cover.

3 Rotate the JOG dial to set the disc slit, containing the disc you want to remove, to the loading position.

4 Take out the disc.
Repeat steps 3 to 4 to remove more discs.

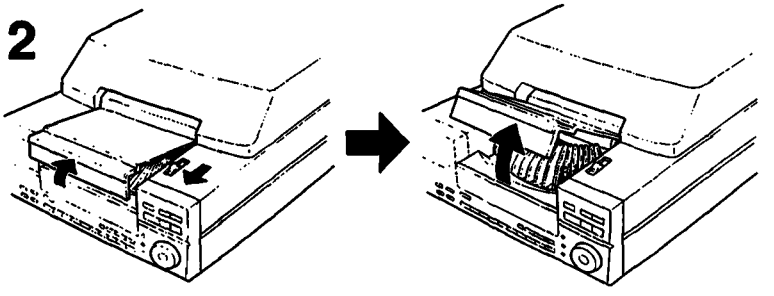
5 Close the front cover.
Press the right edge of the cover until the OPEN lever clicks.

When you replace a disc in a slit
Disc Memo, Delete Bank, Level File or Group File which you assigned to the disc remains the same even if you remove a disc. When you replace the disc with a new one, erase or modify the above if necessary.

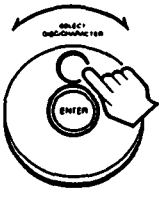
To erase all files assigned to a disc
You can erase all Custom Files and Group Files assigned to one particular disc. Set the disc to the loading position while the UNLOAD button indicator is lit, then hold down ERASE until "1 DISC ERASE" appears in the display. All the files assigned to the current disc are erased (see page 24).

1

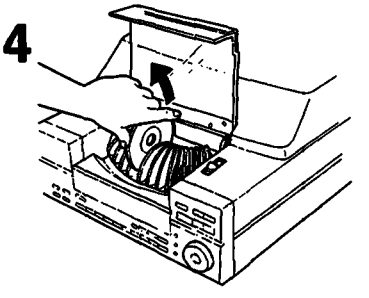
2



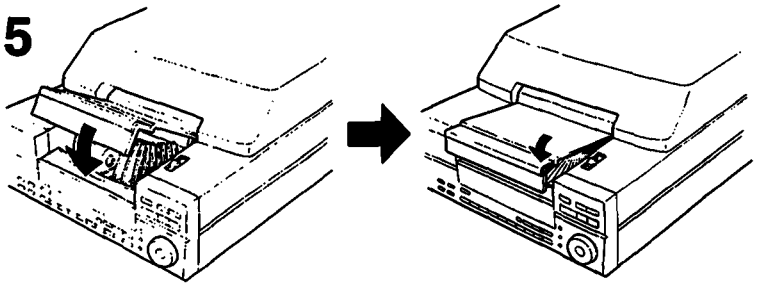
3

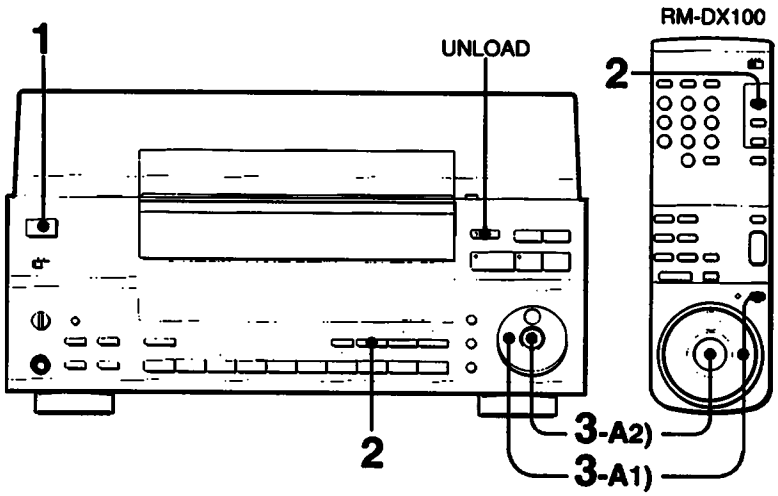


4



5





Playing Discs – Continuous Play

In continuous play mode, the selections on a disc are played in the original order. When you choose ALL DISCS mode, you can play up to 100 discs in the player consecutively. Before playing discs, turn on the amplifier and set the input selector to the CD player position.

Playing From the First Selection of a Disc

1 Press POWER.

2 Press CONTINUE to choose ALL DISCS or 1 DISC.
Each time you press CONTINUE, the indication ALL DISCS and 1 DISC alternate in the display.

ALL DISCS: All the discs in the player are played consecutively in order of disc number. Empty disc slits are skipped.

1 DISC: Only one disc which you have selected is played.

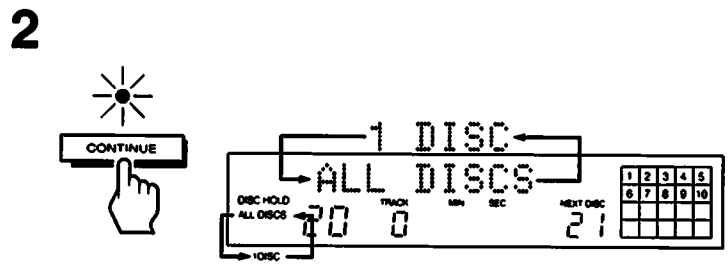
3 Specify a disc and start playing
There are two ways:

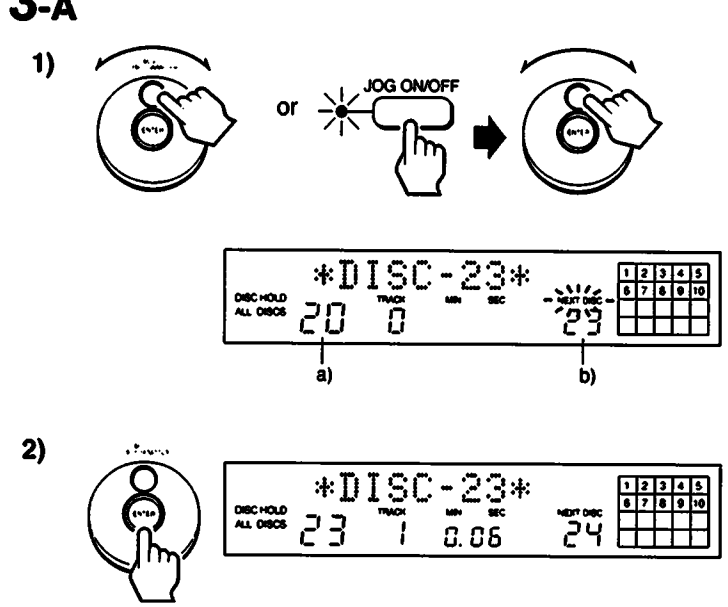
A. To locate a disc while checking the disc numbers or disc memo titles in the display and start playing

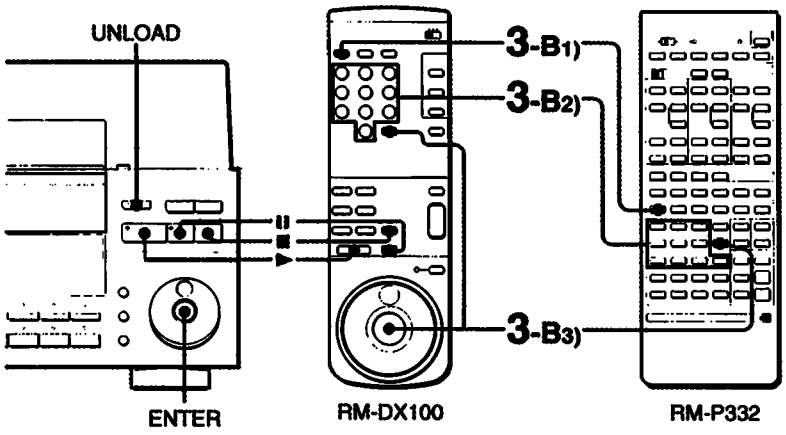
1) Rotate the JOG dial (or press JOG ON/OFF, then rotate the JOG dial on the remote commander RM-DX100) to select the disc.
2) Press ENTER.
The selected disc is set to the playing position and starts playing from the first selection.

a) Current disc number
b) Next disc number

As you rotate the JOG dial
- When no disc is set to the playing position (the UNLOAD button indicator is lit), the current disc number changes.
- When a disc is set to the playing position (the UNLOAD button indicator is unlit), the next disc number changes.







B. To specify a disc directly by the disc number and start playing

1) Press DISC on the remote commander.
2) Enter the disc number using the numeric buttons.
3) Press ENTER.
The specified disc is set to the playing position and starts playing from the first selection.

To enter a number greater than 10

Enter the 10's unit first, then the 1's unit.
Example:

To play from disc No.24
Press DISC, ②, ④, and ENTER.

To play from disc No.30
Press DISC, ③, (10/0), and ENTER.
((10/0) functions as the number 0.)

To play from disc No.10
Press DISC, (10/0) and ENTER.

To play from disc No.100
Press DISC, (10/0), (10/0) ENTER.

To stop playing

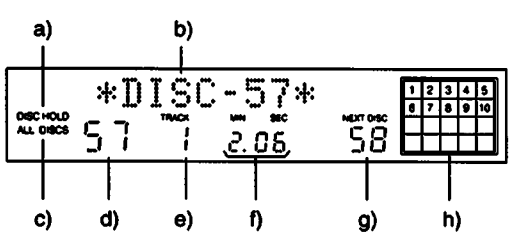
To pause while playing, press II. Press ▶ or II to resume play.
To stop playing, press ■.
When you press ■, press ▶ to replay the same disc. If you press ENTER, the next disc starts playing.
To stop playing and release the disc from the playing position, press UNLOAD.

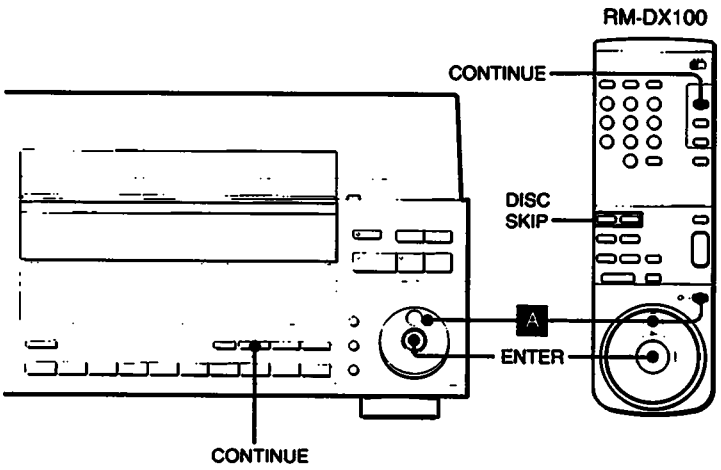
Display while playing

While playing a disc, the display A shows:
a) "DISC HOLD" when a disc is set to the playing position
b) Disc memo
You can input your original disc memo titles instead of the current disc numbers, "*DISC-1, 2 etc.*" (see page 25).
c) "ALL DISCS" or "1 DISC" as the selected mode
d) Current disc number
e) Current selection number
f) Elapsed playing time for the current selection
g) Next disc number
h) Music calendar

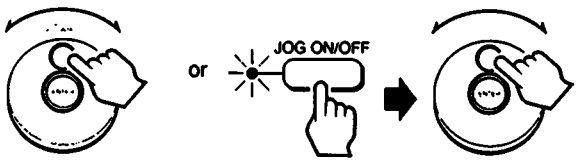
3-B

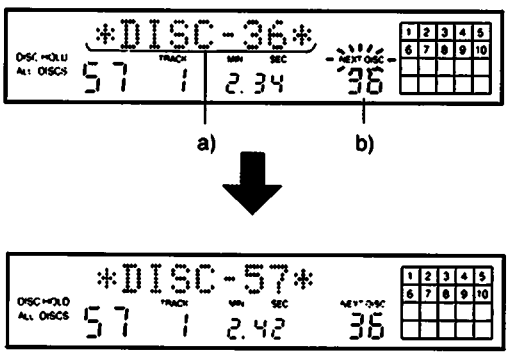
A





A





Playing Discs

Note on DISC SKIP
You can use DISC SKIP –/+ on the remote commander instead of the JOG dial to select a disc. Each time you press DISC SKIP –/+, the current disc is skipped. If you press DISC SKIP –/+ while playing a disc, the newly selected disc starts playing immediately.

When listening with headphones
Connect the headphones to the PHONES jack and adjust the volume with the LINE OUT/PHONE LEVEL control on the player (or the LINE OUT LEVEL +/– button on the remote commander RM-DX100).

When you turn off the player
The player memorizes the last playing disc and mode (continuous, shuffle or program mode) so that you can resume playback on the same disc in the same mode.

Specifying the Next Disc to Be Played A

While playing a disc in continuous mode, you can specify the next disc to be played.

Rotate the JOG dial (or press JOG ON/OFF, then rotate the JOG dial on the remote commander RM-DX100) to select the disc you want to play next.
a) Next disc's memo (returns to the current disc's memo after a few seconds)
b) Next disc number
After the current disc is played, the next disc you have specified will start playing. If you want to play the next disc immediately, press ENTER.

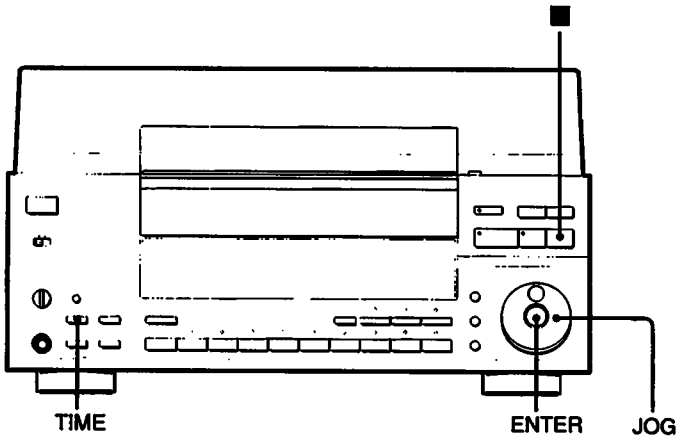
To cancel the disc you have specified

Press CONTINUE twice.

If you specify the next disc while playing in 1 DISC mode
The next disc you specified starts playing when the current disc has played.

"Group play" in continuous mode
You can perform continuous play on discs in the "group" you have specified (see page 32)

Playing Discs



Checking Times on the Display

To check the total number of selections and total playing time of a disc

A

Select the disc and press ENTER to set the disc to the playing position in continuous mode. Press ■, then TIME.

a) Current disc number
b) Total number of selections on the current disc
c) Total playing time of the current disc

To check the elapsed or remaining time

B

Each time you press TIME while playing a disc, the display changes to give you the following information:

a) Elapsed time in the selection being played (current selection)
b) Remaining time in the current selection
If the current selection number is 32 or greater, "– –.– –" appears.
c) Total remaining time on the current disc
Available only in continuous play mode.

Note on time information

The remaining time information is not available in shuffle or program mode.

What is this indication?

-NO DISC-

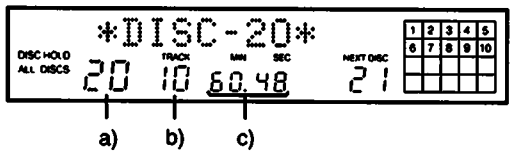
This indication appears when;
- you specify an empty disc slit.
- you have inserted a disc with the label facing left.

When this indication appears, you cannot rotate the rotary table. Select another disc and press ENTER, or press UNLOAD, then re-insert the disc.

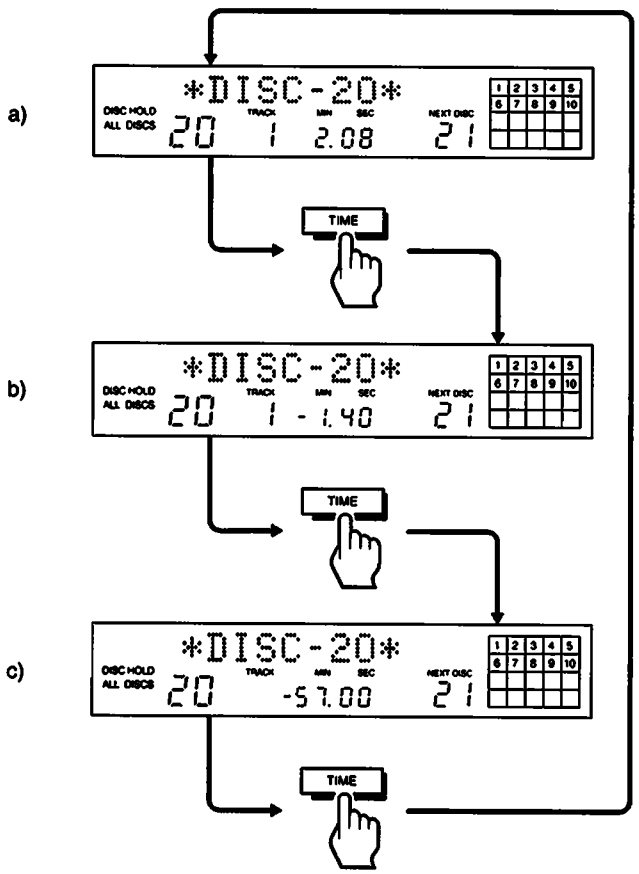
If you press ENTER or ▶ without installing discs in ALL DISCS mode.

The rotary table continues rotating until all disc slits are checked.
Press UNLOAD, then install discs.

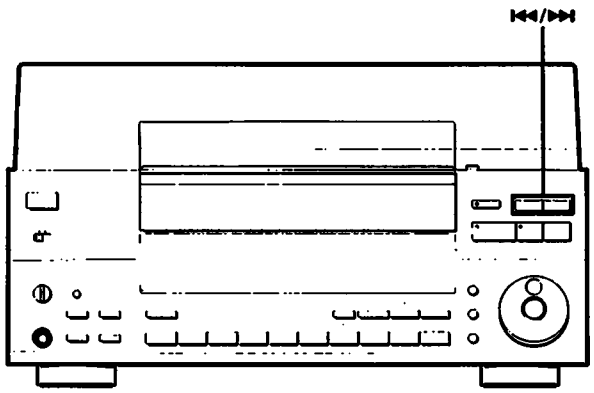
A

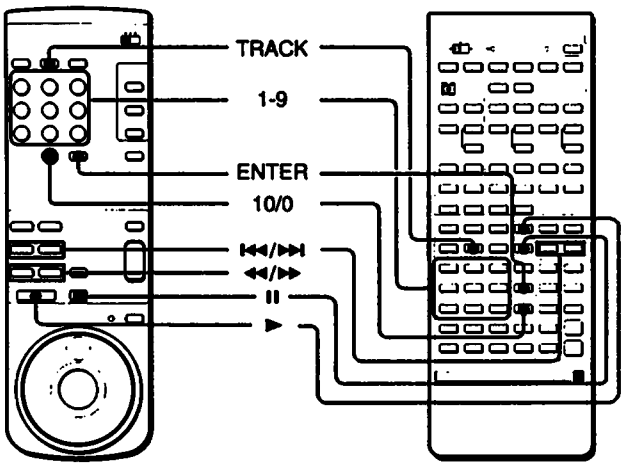


B



Playing Discs





RM-DX100 RM-P332

Locating a Particular Selection

There are two ways to locate the beginning of a selection on the current disc.

A. To locate sequentially (Automatic Music Sensor)

- Press I◀◀ once to locate the beginning of the current selection.
- Press ▶▶I once to locate the beginning of the next selection.
- Hold down I◀◀ or ▶▶I to skip selections.

B. To locate a selection directly using the remote commander A

1) Press TRACK.
2) Press one of the numeric buttons corresponding to the selection you want to play.
3) Press ENTER.

To enter a number greater than 10, see page 13.

Locating a Particular Point in a Selection (CDP-CX100 only)

There are two ways to locate a desired point on a disc.

A. To locate a point on the current disc while monitoring the sound

Hold down ◀◀ or ▶▶ on the remote commander (RM-DX100) during playback.

B. To locate a point on the current disc quickly by watching the display

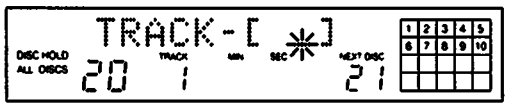
Press II, then hold down ◀◀ or ▶▶ on the remote commander (RM-DX100). The search speed is faster, but no sound can be heard. Find the desired point by watching the display. Press II or ▶ again at the desired point to resume playback.

"¬ ¬" appears in the display

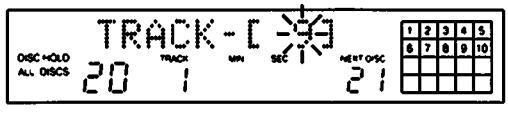
If you continuously press ▶▶ during playback at the end of the disc, "¬ ¬" appears in the display. Press ◀◀ or I◀◀ to return to the normal display.

A

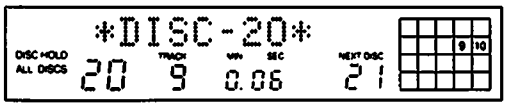
1) TRACK



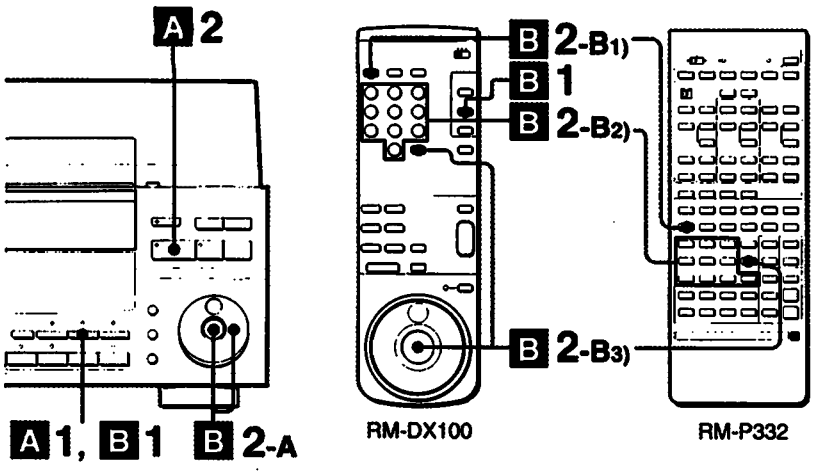
2) 9



3) ENTER



Playing in a Random Order – Shuffle Play



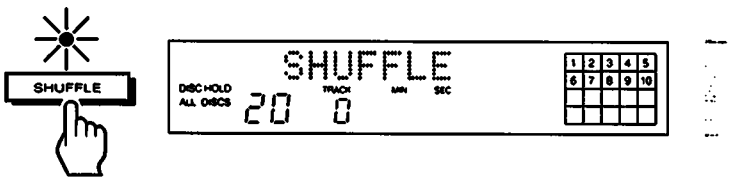
Shuffle play allows you to play discs and/or selections in a random order.

ALL DISCS shuffle: The player selects a disc at random, then plays the selections on the disc in a random order. By repeating this, it plays all selections on all discs in the player once.

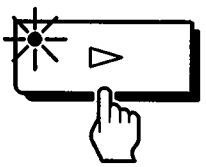
1 DISC shuffle: The player plays all the selections on the disc you specified in a random order.

A

1

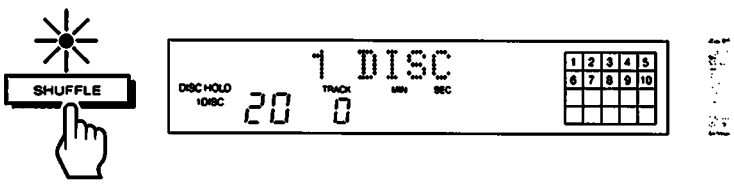


2

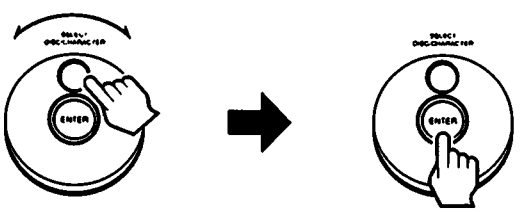


B

1



2-A



2-B

Shuffle Play on All Discs A

1 Press SHUFFLE to choose ALL DISCS.

2 Press ▶.
All DISCS shuffle play starts.

Shuffle Play on 1 Disc B

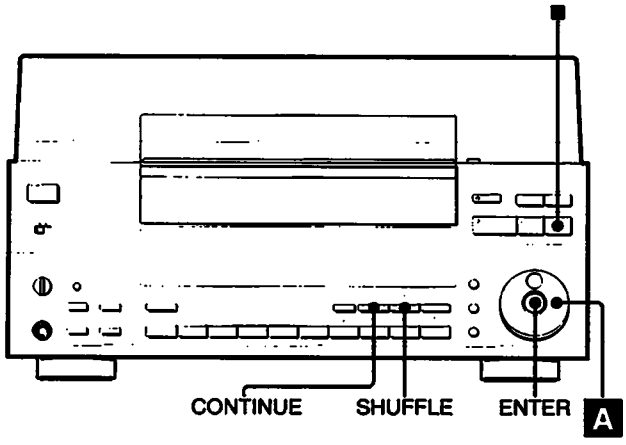
1 Press SHUFFLE to choose 1 DISC.

2 Specify a disc and start playing.
There are two ways:

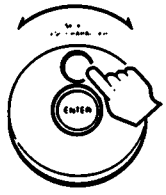
A. Using the JOG dial to locate a disc
1) Rotate the JOG dial to select the disc.
2) Press ENTER.
The selected disc is set to the playing position and shuffle play starts.

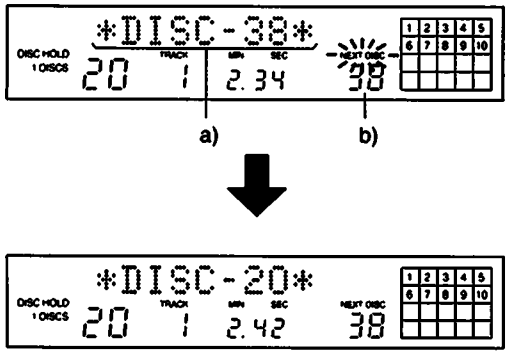
B. Using the numeric button to specify a disc directly
1) Press DISC on the remote commander.
2) Enter the disc number using the numeric buttons.
To enter number greater than 10, see page 13.
3) Press ENTER.
The specified disc is set to the playing position and shuffle play on the disc starts.

Playing in a Random Order



A





To stop playing
Press ■.

To cancel shuffle play
Press CONTINUE to return to continuous play mode.

If you press SHUFFLE during continuous or program play
Shuffle play begins from the current selection.

What is this indication?
This indication appears while the player is "shuffling" the discs or selections.

"Group play" in shuffle mode
You can perform shuffle play on discs in the "group" you have specified (see page 32).

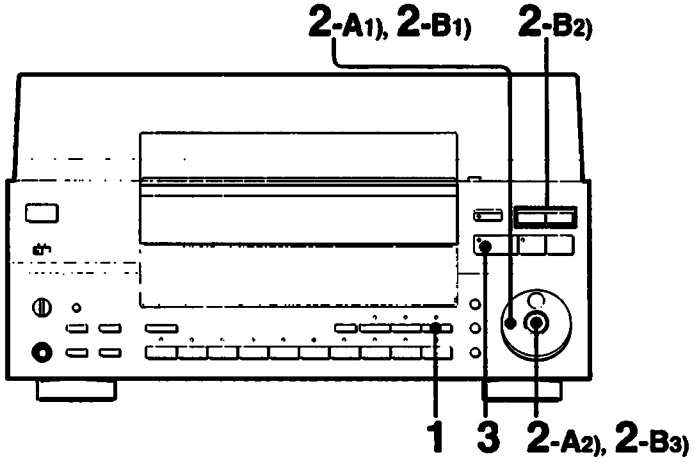
Specifying the next disc in 1 DISC shuffle mode A

While playing a disc in 1 DISC shuffle mode, you can specify the disc to be played next.

Rotate the JOG dial to specify the next disc. After all the selections on the current disc are played randomly, the next disc starts playing. If you want to play the next disc immediately, press ENTER.
a) Next disc's memo (returns to the current disc's memo after a few seconds)
b) Next disc number

To cancel the disc you have specified
Press SHUFFLE twice.

Note on the next disc
You cannot specify the next disc in ALL DISCS shuffle mode.

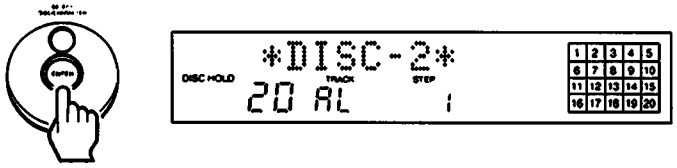


1

2-A

1)

2)

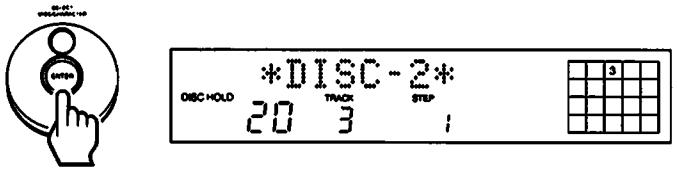


2-B

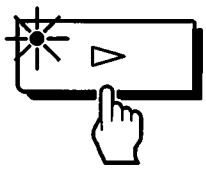
1)

2)

3)



3



Playing in a Specified Order – Program Play

Program play allows you to specify the order of discs or selections to be played. You can make a program of up to 32 "steps" – one "step" may contain one selection or a whole disc. The program you have made is stored in the player's memory and is retained for about a month with the power off.

Making a Program While Checking the Name of Discs in the Display

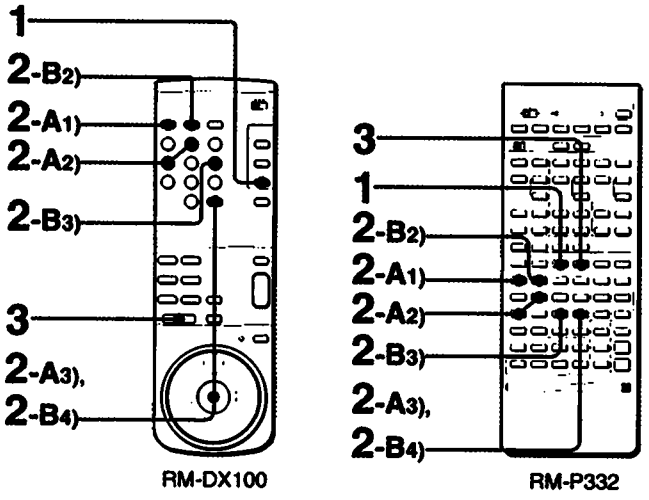
1 Press PROGRAM in stop mode.
"STEP" lights up in the display.
If a program has been stored, it is recalled. When you do not need the program, hold down CLEAR to erase it (see page 21).

2-A To program discs in the order you want to play
1) Rotate the JOG dial to select the disc you want to program.
"STEP" and the music calendar flash.
2) Press ENTER or PROGRAM.
The whole disc is programmed as one step.
Repeat 1), 2) to program another disc(s).

2-B To program selections in the order you want to play
1) Rotate the JOG dial to select the disc.
"STEP" and the music calendar flash.
2) Press ⏮/⏭ to choose the selection.
3) Press ENTER or PROGRAM.
The selection is programmed as one step.
Repeat 2), 3) to program another selection on the same disc.
Repeat 1) to 3) to program a selection on another disc

3 Press ▶.
Program play starts.

Playing in a Specified Order



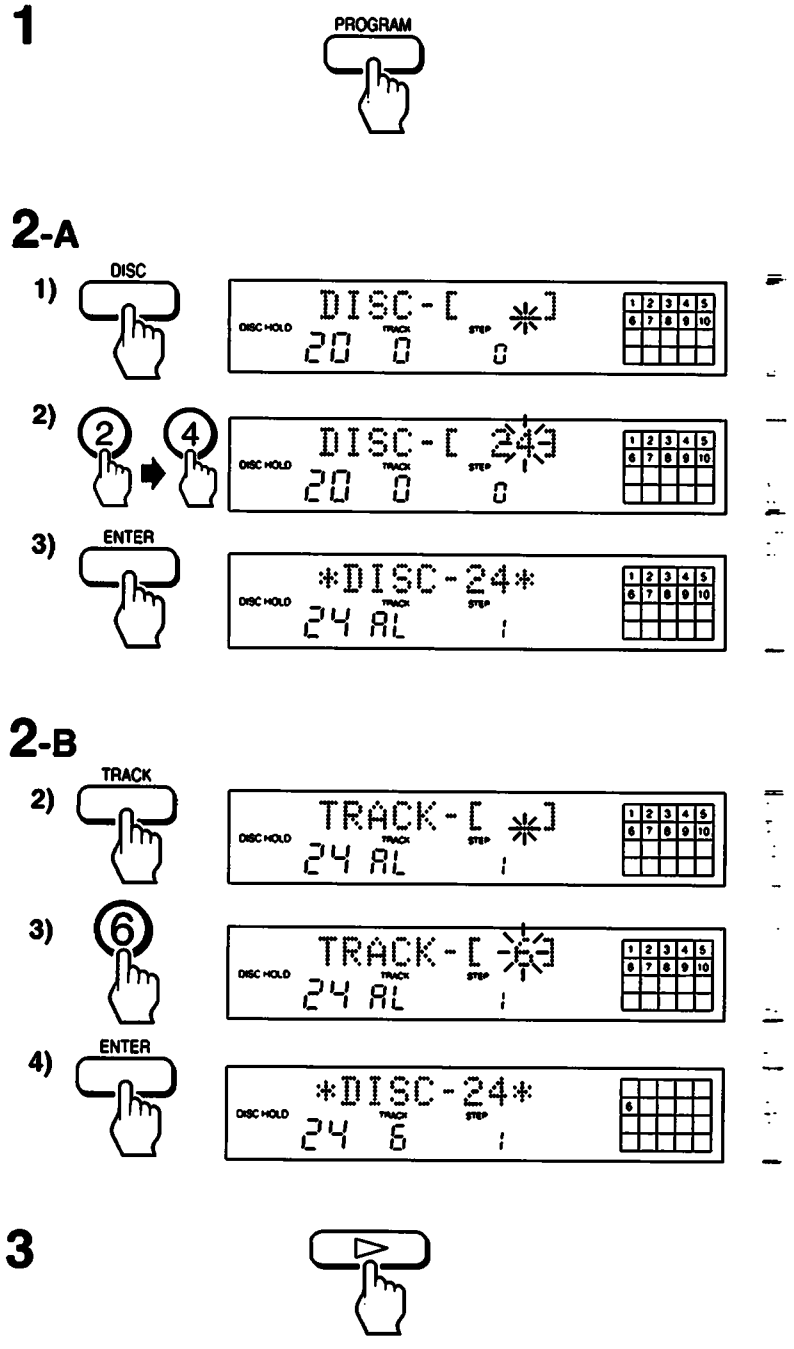
Specifing Discs or Selections Directly

1 Press PROGRAM in stop mode.
"STEP" lights up in the display.
If a program has been stored, it is recalled. When you do not need the program, hold down CLEAR to erase it (see page 21).

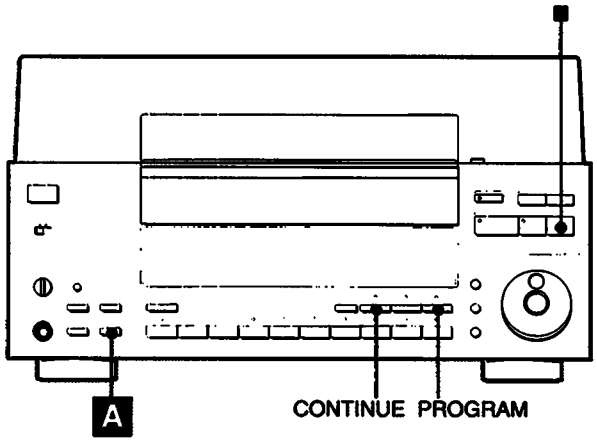
2-A To program discs in the order you want to play
1) Press DISC on the remote commander.
2) Enter the disc number using the numeric buttons.
To enter a number greater than 10, see page 13.
3) Press ENTER.
The whole disc is programmed as one step.
Repeat 1) to 3) to program another disc.

2-B To program selections in the order you want to play
1) Follow steps 2-A,1) to 2) to specify the disc.
2) Press TRACK on the remote commander.
3) Enter the selection number using the numeric buttons.
To enter a number greater than 10, see page 13.
4) Press ENTER.
The selection is programmed as one step.
Repeat 2) to 4) to program another selection on the same disc.
Repeat 1) to 4) to program a selection on another disc

3 Press ▶.
Program play starts.



Playing in a Specified Order



A

To stop playing

Press ■.
You can play the same program repeatedly until you erase the program.

To erase the program

A

Hold down CLEAR until "ALL CLEAR" appears in the display.

To cancel program play

Press CONTINUE to return to continuous play mode.
To recall the program you have made, press PROGRAM again.

To make a program while playing a disc

You can make or add a program while playing a disc. Follow steps 1 to 2 on page 19 or 20.

If you press PROGRAM during continuous or shuffle play

If a program has been stored, it will be played after the current selection.

If you replace discs

The program is stored until you erase it. If you replace discs, the program operates on the new discs. The disc and selection numbers not existing in the player or on the disc are deleted from the program and the rest are played in the programmed order.

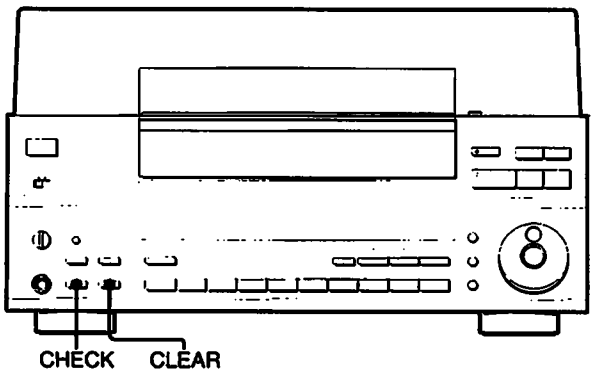
If you turn off the player

The program is stored until you erase it. It is retained for about a month with the power off.

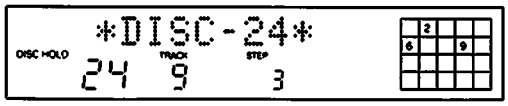
"Group play" in program mode

- If you specify a "group" before programming, you can make a program only on the discs in the "group", so that you can easily select the discs (see page 32).
- If a program is made before hand, program mode may be canceled when you start group playing.

Playing in a Specified Order



A



Checking Your Program A

Press CHECK.
The first selection or disc in the program appears. Each time you press CHECK, the next selection or disc in the program appears. At last, "End" appears briefly, then the first display returns.

Changing Your Program

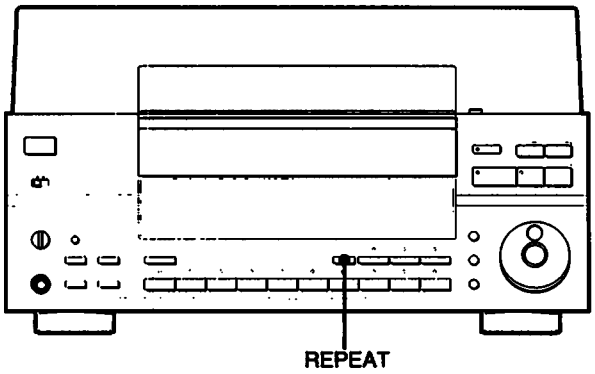
To delete the last selection
Press CLEAR while the player is stopped. Each time you press CLEAR, the last selection or disc in the program is deleted.

To delete a selection from the middle of a program
Press CHECK repeatedly until the selection or disc you want to delete is displayed, then press CLEAR.

To add selections to the end of a program
Follow steps 1 to 2 on page 19 or 20.
You can add discs or selections to the end of a program while playing, stopped or paused.

To add selections to the beginning or middle of a program
Erase the program and make a new program.

Playing Repeatedly – Repeat Play



Repeat play allows you to repeat selections in any play mode. You can repeat all discs, only a specified disc, or programmed or reshuffled selections. After playing in each mode five times, the player stops.

Repeat Play

To repeat all selections

Press REPEAT. "REPEAT" appears in the display. The player repeats playing in the current play mode.

Playing mode	Selections to be repeated
Continuous play (ALL DISCS)	All selections on all discs
Continuous play (1 DISC)	All selections on the current disc
Shuffle play (ALL DISCS)	All selections on all discs reshuffled
Shuffle play (1 DISC)	All selections reshuffled on the current disc
Program play	All the selections in the programmed order

To cancel repeat play

Press REPEAT again. "REPEAT" disappears.

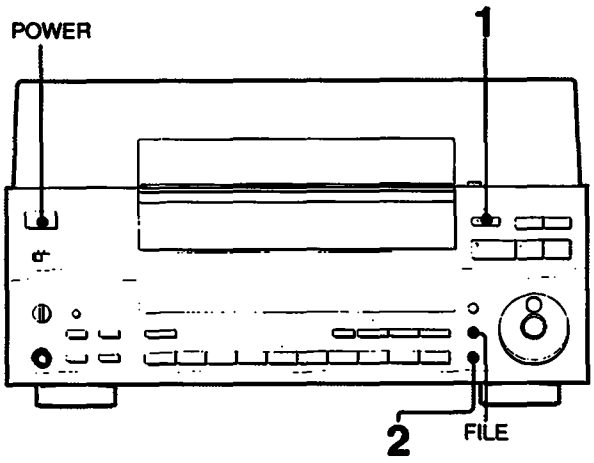
"Group play" in repeat mode

You can perform repeat play on discs in the "group" you have specified.

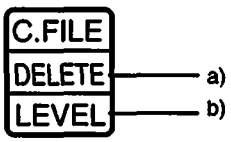
Custom Files

The CD player has "Custom Files" or memory in which you can store three types of information – Disc Memo, Delete Bank and Level File.

- **Disc Memo**
  You can assign a name to each disc so that you can locate the disc by watching for the name of discs on the display.
- **Delete Bank**
  You can delete the selections which you do not want to play and store the rest of the selections on each disc.
- **Level File**
  You can adjust an output level for each disc and memorize it. Each time you play a disc, the volume is automatically set to the level you memorized for the disc.



A



What is this indication? A

When a disc with a Custom File(s) is set to the playing position, each indication lights up to show:
a) a Delete Bank is stored
b) a Level File is stored

When is the Custom File function activated?

- Delete Bank and Level File functions are activated when the disc is set to the playing position.
- The Disc Memo for the current disc always appears.

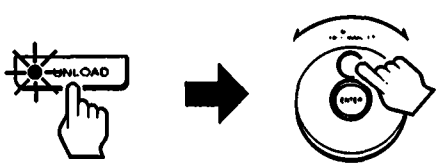
Where are Custom Files stored?

Custom Files are stored in the player's memory for each disc slit, not in the disc. That is, you cannot enjoy the Custom File when you re-insert the disc into another disc slit or another player. Custom Files are retained for about a month with the power off.

When you replace a disc in a slit

Custom Files are assigned to each disc slit and remain the same even if you remove a disc. When you replace the disc with new one, erase the old Custom Files, then assign new ones.
To erase all files assigned to a disc:

1 **Press UNLOAD to turn on the indicator, then select the disc containing the Custom Files you want to erase.**

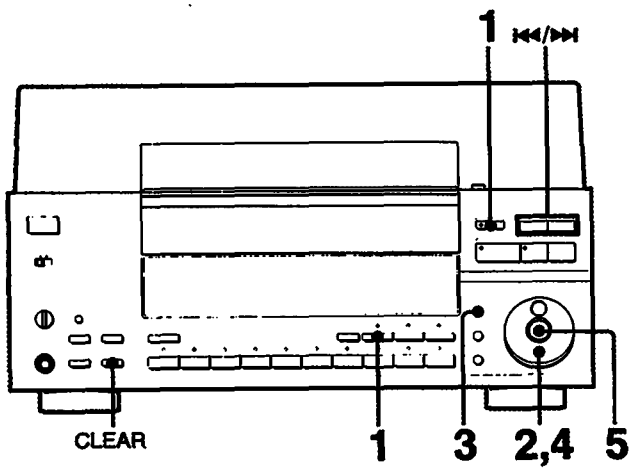


2 **Hold down ERASE until "1 DISC ERASE" appears in the display.**
All the files assigned to the current disc are erased.

To clear all Custom Files for all discs

Press POWER to turn off the player. While holding down ERASE and FILE, press POWER to turn on the player. "ALL ERASE" appears in the display and the player's memory for all disc slits is erased.

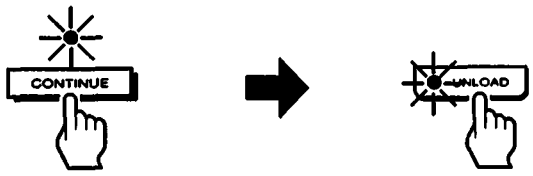
Assigning Names to Discs – Disc Memo



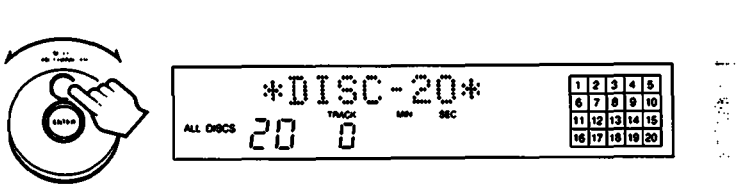
You can input your original disc memo titles instead of the current disc numbers, "*DISC-1, 2 etc.*" assigning up to 13 characters. You can locate a disc easily by checking the disc memos appearing in the display as you rotate the JOG dial.

Assigning Disc Memos to Your Discs

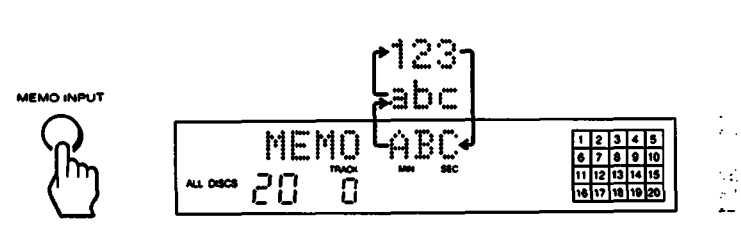
1 Press CONTINUE and UNLOAD to turn on their indicators.



2 Rotate the JOG dial to select the disc to which you want to assign a disc memo.



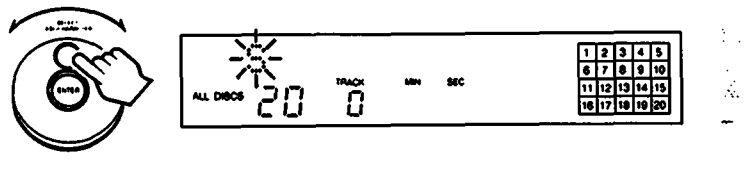
3 Press MEMO INPUT.
Each time you press MEMO INPUT, the display changes. You can choose upper or lower case letters, or numbers.



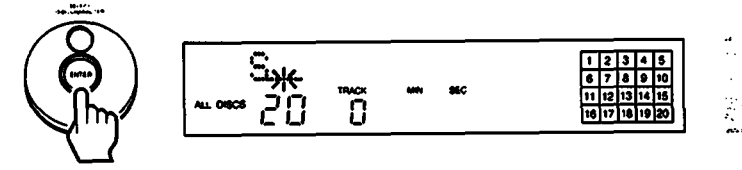
4 Rotate the JOG dial to select a letter, number or symbol.
The selected letter flashes.

Available letters and symbols
When you press MEMO INPUT, a space appears. When rotating the JOG dial clockwise, letters and symbols appear in the following order. Rotate the JOG dial counterclockwise to go back to the previous character.

(Space) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z & a b c d e f g h i j k l m n o p q r s t u v w x y z ä ö ü : ; ( ) [ ] % $ # 0 1 2 3 4 5 6 7 8 9 10 → ← * / ! ? ' " , . –



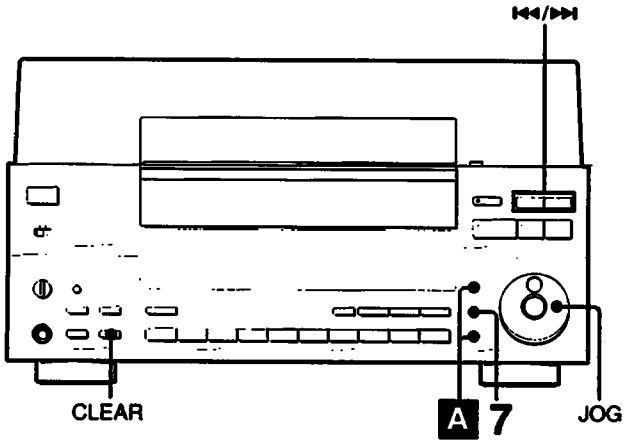
5 Press ENTER.
The selected letter lights up and the cursor shifts automatically.
To shift the cursor manually, press ⏮ or ⏭. If you have entered a wrong letter, press ⏮ to move the cursor back, then enter the correct one. To insert a blank space, press CLEAR.



6 Repeat steps 4, 5 to enter more letters.
To choose upper or lower case letters, or numbers, return to step 3.

(Continued)

Assigning Names to Discs



7 **Press FILE.**
The disc memo for the current disc is stored. Repeat steps 2 to 7 to assign a name for another disc.

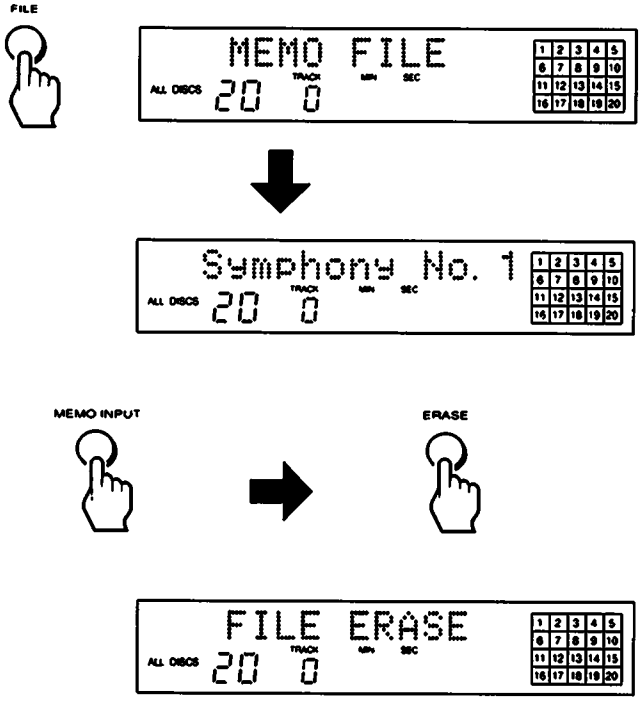
To rename the memo title you have assigned

– Before pressing FILE in step 7 above:
Press I◀◀/▶▶I, to locate the character you want to change. Then rotate the JOG dial to change the character and press ENTER.
To change a character to a space, press I◀◀/▶▶I to locate the character you want to change into a space and press CLEAR.

– After pressing FILE in step 7 above:
Repeat steps 3 to 7.

You can also assign or modify the current disc's memo while the disc is set to the playing position. Follow steps 3 to 7.

7



A

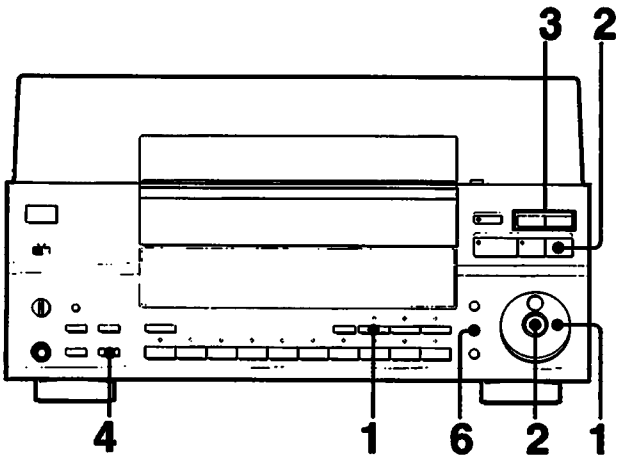
Clearing the Disc Memo

1 **Press UNLOAD to turn on the indicator, then select the disc containing the disc memo you want to clear.**

2 **Press MEMO INPUT (fig. A).**
The initial letter of the disc memo flashes.

3 **Press ERASE while the initial letter of the memo is flashing.**
"FILE ERASE" appears and the display shows the original disc number (*DISC-1, 2 etc.*).

Storing Selections You Want to Play – Delete Bank



After deleting selections you do not want to play from a disc, you can store the remaining selections on the disc you do want to play in "Delete Bank" memory. Each disc can contain one Delete Bank. When you play a disc containing a Delete Bank in continuous or shuffle play mode, the deleted selections are always skipped. In program play mode, you can program an entire disc containing a delete bank as one step.

The Delete Bank is activated only when the disc is set to the playing position and "DISC HOLD" lights up in the display. It is not activated when the UNLOAD button indicator is lit.

Memorizing the Selections You Want to Play

1 **Press CONTINUE to select 1 DISC mode, then rotate the JOG dial to select the disc.**

2 **Press ENTER, then ■.**
The disc is set to the playing position and the music calendar shows the selections on the current disc.

3 **Press I◀◀ or ▶▶I to choose the selection you want to delete.**

4 **Press CLEAR.**
The selection number you chose disappears from the music calendar.

5 **Repeat steps 3, 4 to delete other selections.**

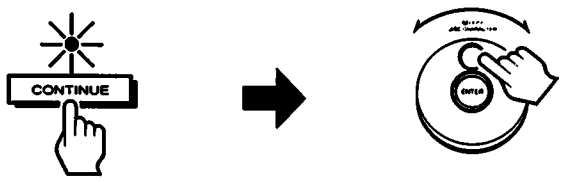
6 **Press FILE.**
"DELETE FILE" appears briefly. Every time you play the disc, only selections stored in the Delete Bank are played.

To set a Delete Bank while playing
Press CLEAR, then FILE. The selection currently playing is deleted.

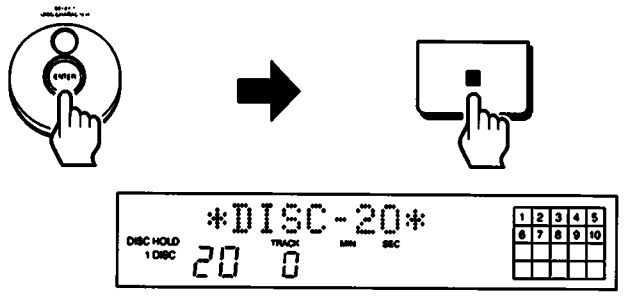
To recover all the selections temporarily
Hold down CLEAR in stop mode until "ALL SELECT" appears in the display.

To set a new Delete Bank
Hold down CLEAR to recover all the selections on the current disc, then start over.

1



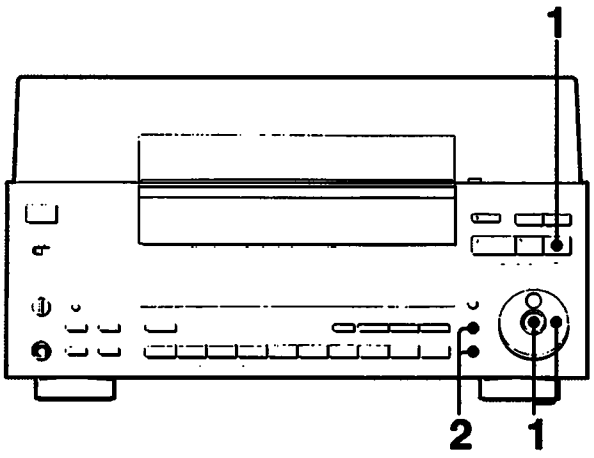
2



3

4

6



Making a Delete Bank in shuffle mode

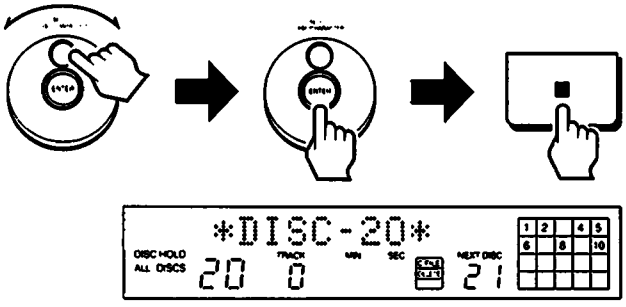
In shuffle play mode, you can make a Delete Bank using TRACK and the numeric buttons on the remote commander. After choosing 1 DISC shuffle mode, press TRACK and enter the selection number to be deleted, then press ENTER. The selection is deleted. Repeat this to delete other selections, then press FILE to store the remaining selections as a Delete Bank. To recover a selection you have deleted, press TRACK, enter the selection number again, then press ENTER.

Clearing the Delete Bank

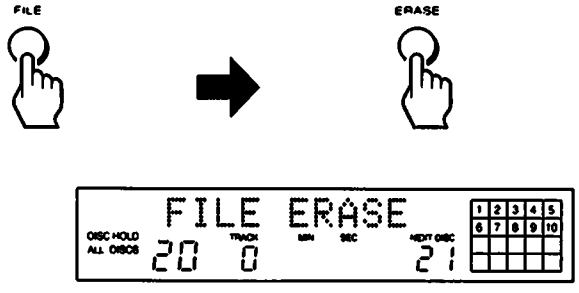
1 Select the disc containing the Delete Bank you want to clear. Press ENTER, then ■.
The selected disc is set to the playing position.

2 Press FILE, then press ERASE before "DELETE FILE" in the display disappers.
"FILE ERASE" appears and the Delete Bank for the current disc is cleared.

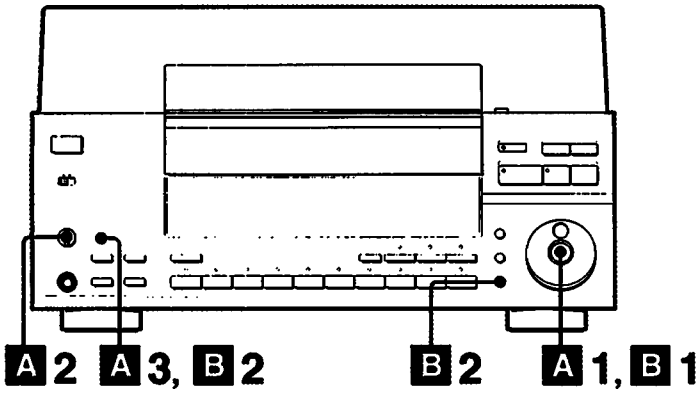
1



2



Storing an Optimum Playback Level for Each Disc – Level File

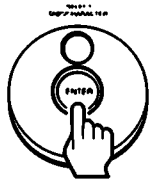


You can adjust and memorize the playback level for each disc. Each time you play a disc containing a Level File, the LINE OUT/PHONE LEVEL control is set automatically adjusted to the level you specified. This function is available when an amplifier is connected to the VARIABLE LINE OUT jacks or when you use headphones.

The Level File is activated only when the disc is set to the playing position and "DISC HOLD" lights up in the display. It is not activated when the UNLOAD button indicator is lit.

A

1



2

3

Adjusting and Memorizing the Playback Level A

1 **Select the disc and press ENTER.**
Playback starts.

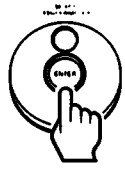
2 **Adjust the LINE OUT/PHONE LEVEL control to your desired playback level.**

3 **Press LEVEL FILE.**
"LEVEL FILE" appears in the display. The current playback level is memorized.

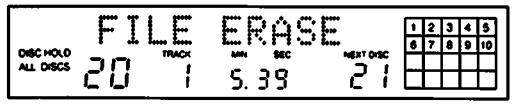
If you change the playback level while playing
Press UNLOAD, then ▶. The LINE OUT/PHONE LEVEL control automatically adjusts to the memorized playback level.

B

1



2



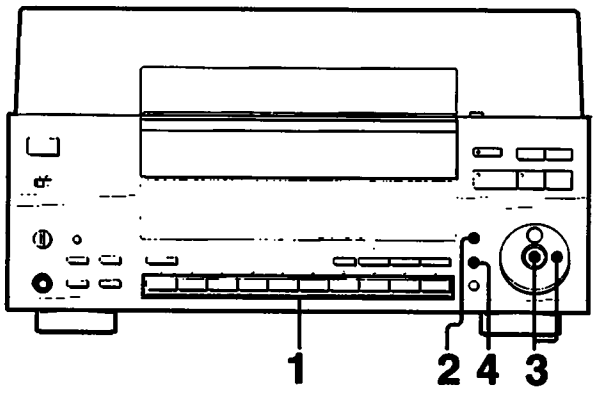
Clearing the Level File B

1 **Select the disc containing the level file you want to clear, then press ENTER.**
The selected disc is set to the playing position.

2 **Press LEVEL FILE, then press ERASE before "LEVEL FILE" in the display disappears.**
"FILE ERASE" appears and the level file for the current disc is cleared.

Note on Level File
This function is not available when you use the DIGITAL OUT (OPTICAL) connector or the FIXED LINE OUT jacks.

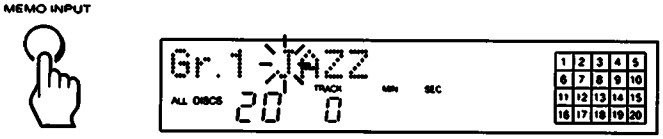
Classifying Discs Into Groups – Group File



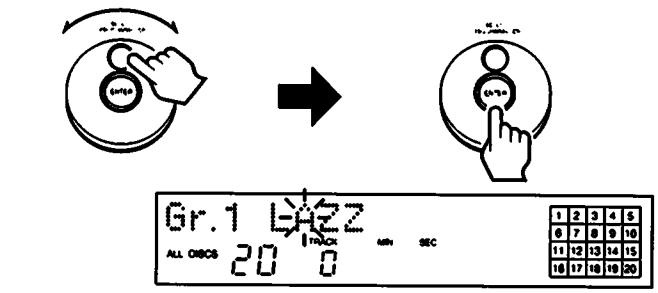
Group File allows you to classify discs into up to 10 groups. Up to 100 discs can be registered into one group, and one disc can belong to up to 10 groups. By classifying your discs, you can easily locate them by their genre, artist or your personal preference. You can also enjoy continuous, shuffle or repeat play within a certain group. When you select a disc which is registered into a group(s), the indicator(s) above the GROUP 1-10 button(s) light up green to show the group(s) the disc belongs to.

1

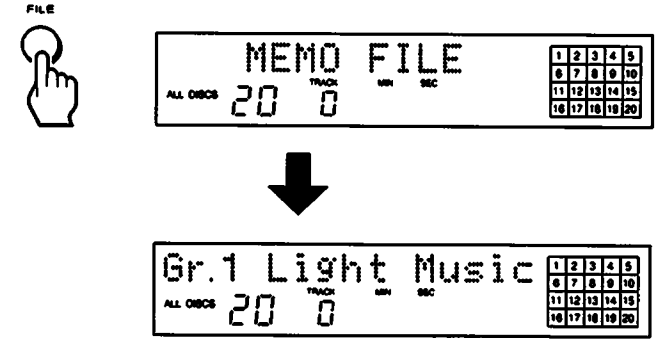
2



3



4



Assigning a Name to a Group

When you press one of the group 1-10 buttons, the set group name (shown below) appears. You can input your original group name instead of it.

Gr.1	JAZZ	Gr.6	BALLADE
Gr.2	POPS	Gr.7	C & W
Gr.3	CLASSICAL	Gr.8	FOR FATHER
Gr.4	ROCK	Gr.9	FOR MOTHER
Gr.5	R & B	Gr.10	FOR CHILD

You can also use the group names above. If you do not need to rename them, go to the next section, "Registering Discs Into Groups".

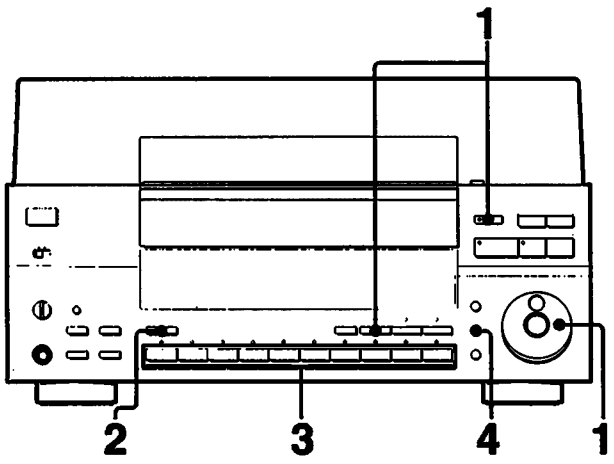
1 Press GROUP 1-10 to select the group.
The set group name appears.

2 Press MEMO INPUT before the group name disappears.
The initial character of the group name flashes. Each time you press MEMO INPUT, the display changes. You can choose upper or lower case letters, or numbers.

3 Rotate the JOG dial to select a character, then press ENTER.
The selected character lights up and the cursor shifts.

4 Repeat step 3 to enter more characters, then press FILE.
See pages 25, 26 for details. You can assign up to 11 characters for a group name.

Classifying Discs Into Groups



Registering Discs Into Groups

1 Press CONTINUE and UNLOAD, then select the disc which you want to register into a group with the JOG dial.

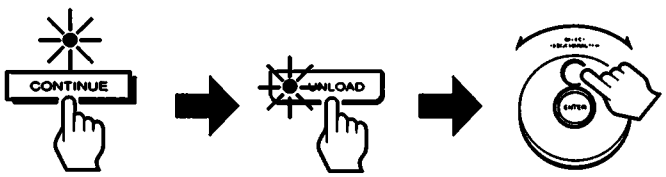
2 Press GROUP ENTRY.
GROUP ENTRY appears, then the display runs and the player prompts you to select one of the groups.

3 Press one of the GROUP 1-10 buttons to select a group.
The indicator above the GROUP button flashes green and the group name appears in the display, then the player prompts you to press FILE.

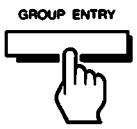
4 Press FILE.
The disc is registered into a group and the indicator above the GROUP button lights up green.

Note
When a disc is set to the playing position, only the current disc can be registered.

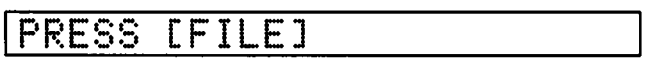
1



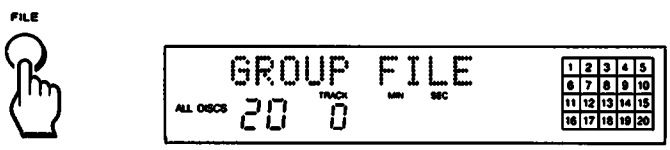
2



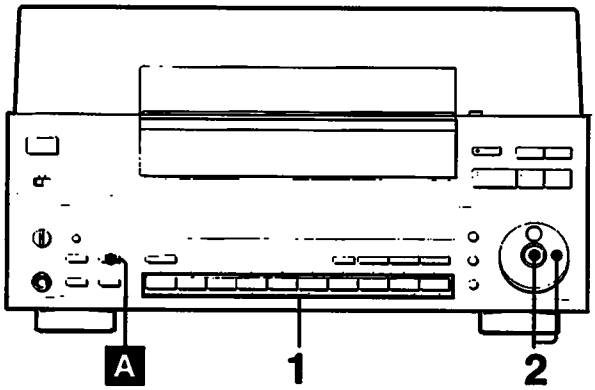
3



4



Classifying Discs Into Groups



Playing Discs in a Group

By specifying a group into which your discs are registered, you can enjoy group play in each playing mode:

- **Continous mode**
  All discs in the group are played consecutively.
- **ALL DISCS Shuffle mode**
  A disc is selected at random from the group, then all the selections on the disc are played in random order.
- **1 DISC Shuffle mode**
  All the selections on the specified disc in the group are played in random order.
- **Program mode**
  If you specify a group before you make a program, you can make the program from the discs in the group. If the program currently stored contains selections from two or more groups, you cannot perform group play in program mode.

1 **Press one of the GROUP 1-10 buttons to select the group.**
(You can also select the group using the remote commander. Press GROUP and enter the group number using the numeric buttons, then press ENTER on the remote commander.)
If discs are registered into the group, the indicator flashes red, then the player prompts you to select a disc in the group. If no disc belongs to the group, –NO ENTRY– appears in the display.

2 **Press ▶ or rotate the JOG dial to select the disc, then press ENTER.**
The GROUP indicator lights up red and group play starts.
a) The next disc in the group (in continuous mode)

Note when selecting discs in a group

The disc numbers included in the group appear as you rotate the JOG dial in order. If "–ENTRY END–" appears, rotate the dial in reverse. The disc numbers appear in reverse order.

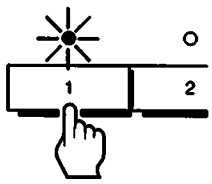
To cancel group play

Press one of the GROUP 1-10 buttons with the indicator lit red. The indicator turns green and group play is canceled.

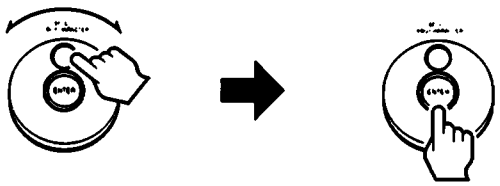
To check the group name while group playing A

Press MEMO while the GROUP indicator is lit red. Each time you press MEMO, the group name and the current disc memo alternate in the display.

1

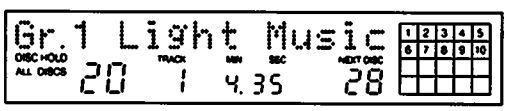


2

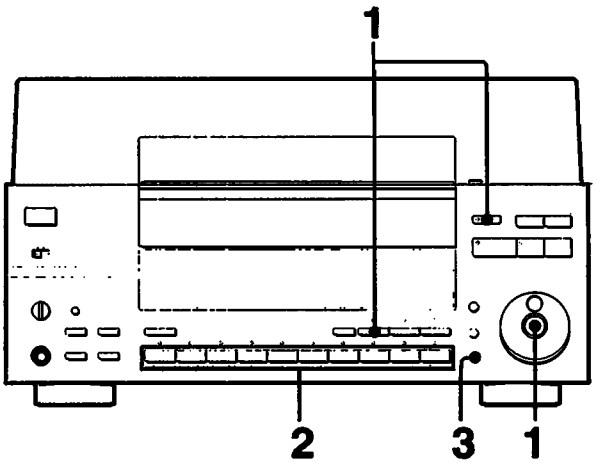


a)

A



Classifying Discs Into Groups



Canceling the Registration

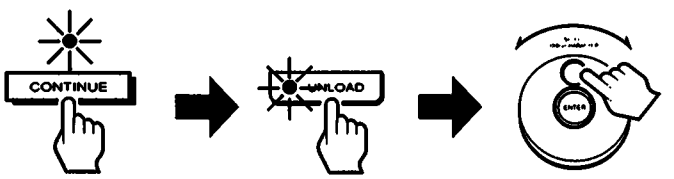
1 Press CONTINUE and UNLOAD, then select the disc which you want to cancel from a group with the JOG dial.
The indicators light up green to show the groups the disc belongs to.

2 Press one of the GROUP 1-10 buttons corresponding to the group containing the disc you want to cancel.
The GROUP indicator flashes red.
The player prompts you to select the disc in the group.

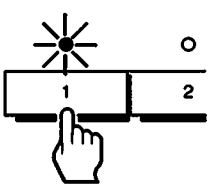
3 Press ERASE.
"FILE ERASE" appears and the GROUP indicator goes off. The current disc's registration into the group is canceled.

Note
When a disc is set to the playing position, you can also cancel another disc's registration. Press one of the GROUP 1-10 buttons to select the group, then rotate the JOG dial to select another disc. Press ERASE while the group indicator is flashing red.

1



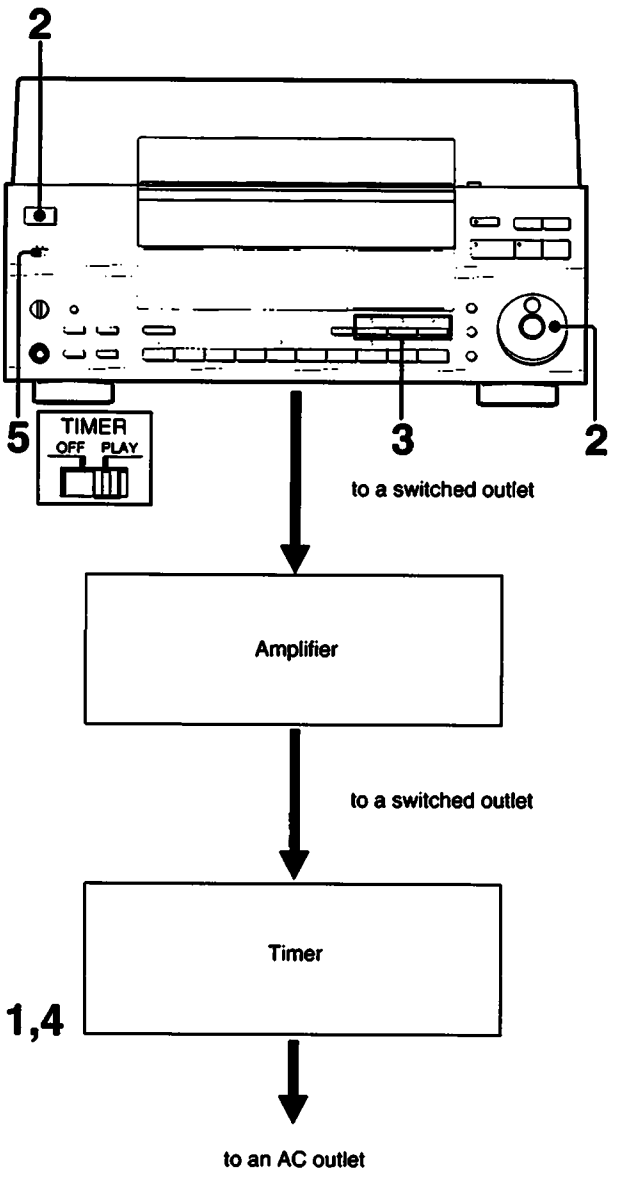
2



PRESS [PLAY] or SELECT DISC by [JOG]

3

Timer Activated Play



By connecting a commercially available timer, you can make the player start playing at the time you specified in any playing mode.

Connecting and Operating

1 Connect the timer to the player and turn on the timer.

2 Turn on the player and select a disc.

3 Set the desired play mode.

- **Continuous mode**
  The first selection on the current disc starts playing.
- **ALL DISCS Shuffle mode**
  A disc is selected at random and a selection on the disc selected at random starts playing.
- **1 DISC Shuffle mode**
  A selection on the current disc, selected at random, starts playing.
- **Program mode**
  The first programmed selection starts playing.

4 Set the timer to the playing start time.

5 Set the TIMER switch on the player to the PLAY position.
Playing will start at the time you specified.

Leave the POWER switch depressed on the player

When the timer is set, the power to the player will be shut off. However, be sure to leave the player's POWER switch on.

When timer-activated playing ends

Set the TIMER switch to OFF. If the TIMER switch is left at PLAY, the player will automatically start playing the next time the player is turned on.

To activate playing by turning the POWER switch on.

Set the TIMER switch to PLAY. The player will resume playing the disc when you press POWER to turn on the player.

Specifications

Compact Disc Player

System	Compact disc digital audio system
Laser	Semiconductor laser
Wavelength	780–790 nm
Frequency response	2 Hz-20 kHz (±0.3 dB)
Signal to noise ratio	More than 116 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0025%
Channel separation	More than 110 dB

Outputs

LINE OUT (FIXED)	Output level 2 V (at 50 kilohms)
(phono jacks)	Load impedance over 10 kilohms
LINE OUT (VARIABLE)	Output level max. 2 V (at 50 kilohms)
(phono jacks)	Load impedance over 10 kilohms
DIGITAL OUTPUT	Wave length 660 nm (OPTICAL)
(optical output connector)	Output level –18 dBm
PHONES	Output level max. 15 mW
(stereo phone jack)	Load impedance 32 ohms

General

Power requirements	Model for USA 120 V AC, 60 Hz Model for Australia 240 V AC, 50/60 Hz
Power consumption	20 W
Dimensions	When the front cover is closed Approx. 430 × 240 × 470 mm (w/h/d) (17 × 9½ × 18⅝ inches) When the front cover is open Approx. 430 × 380 × 470 mm (w/h/d) (17 × 15 × 18⅝ inches) Including projecting parts and controls
Mass	Approx. 10.0 kg , net (22 lb 1 oz)

Remote Commander RM-DX100 (CDP-CX100 only)

Remote control system	Infrared control
Power requirements	3 V DC with two size AA batteries (IEC designation R6)
Dimensions	68 × 44 × 200 mm (w/h/d) (2¾ × 1¾ × 7⅞ inches)
Mass	185 g (6.6 oz) including batteries

Design and specifications are subject to change without notice.

Troubleshooting

Before going through the check list below, first refer back to the applicable connections and operating procedures. Should problem persist after you have checked these items, consult your nearest Sony service facility.

Symptom	Cause	Remedy
Play does not start.	The disc is dirty.	Clean the disc.
	The disc is inserted with the label facing left.	Insert the disc with the label facing right.
	The player is in pause mode.	Press ▶ or ⏸ to release pause.
	Moisture has condensed.	Leave the player on for approximately one hour.
"–NO DISC–" is displayed.	The disc is inserted with the label facing left. Empty disc slit is specified.	Insert the disc with the label facing right. Select a used disc slit.
Play begins only by turning on the power.	The TIMER switch is set to PLAY.	Set the TIMER switch to OFF.
No sound is heard.	There is a loose connection.	Insert the plug firmly.
	The connection is incorrect.	Check the connection referring to "Hooking up the system".
	The LINE OUT/ PHONE LEVEL control is set to the minimum.	Turn the control clockwise.
Play does not begin from the first selection.	The player is in program or shuffle play mode.	Press CONTINUE.
Two or more discs cannot be played consecutively.	The player is in the 1 DISC mode.	Press CONTINUE to choose ALL DISCS mode.
"¬ ¬" is displayed.	▶▶ was continuously pressed at the end of the disc.	Press ◀◀ or I◀◀ to return to the normal indication.
The remote commander does not operate the player.	The batteries are run down.	Replace both batteries.
	The remote commander is not pointed at the remote sensor.	Point the remote commander at the sensor.
	There is an obstacle between the remote commander and the player.	Remove the obstacle.
	The remote commander is too far from the player.	Move it closer.
	The CD 1-2-3 selector on the remote commander is not synchronized with the COMMAND MODE selector on the rear panel.	Synchronize the selectors.
The JOG dial on the remote commander does not operate.	The JOG ON/OFF button is not pressed.	Press JOG ON/OFF to turn on the indicator.
The rotary table does not rotate.	A disc is set to the playing position.	Press UNLOAD to turn on the indicator.
	The player is in group play mode.	Press GROUP 1-10 to cancel group play.
The player's functions operate incorrectly.	The microcomputer chips may be operating incorrectly.	Turn the power off, then turn it back on to reset the player.

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